

Data File : VU030111.D
Acq On : 15 Mar 2019 15:13
Operator : JC/SP
Sample : K1936-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1C8

Quant Time: Mar 16 00:06:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	451188	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	449591	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	214906	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	171046	57.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.62%
7) Chloroethane-d5	1.68	69	141999	58.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.88%
11) 1,1-Dichloroethene-d2	2.27	63	232465	43.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.30%
21) 2-Butanone-d5	4.17	46	273133	122.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.15%
24) Chloroform-d	4.65	84	314318	58.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.42%
26) 1,2-Dichloroethane-d4	5.31	65	187828	60.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.46%
32) Benzene-d6	5.34	84	664579	57.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.84%
36) 1,2-Dichloropropane-d6	6.33	67	212860	60.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	120.20%#
41) Toluene-d8	7.56	98	613732	56.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.26%
43) trans-1,3-Dichloropropene-	7.85	79	96370	56.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.34%
47) 2-Hexanone-d5	8.31	63	232232	117.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	312863	57.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	247771	59.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.04%

Target Compounds

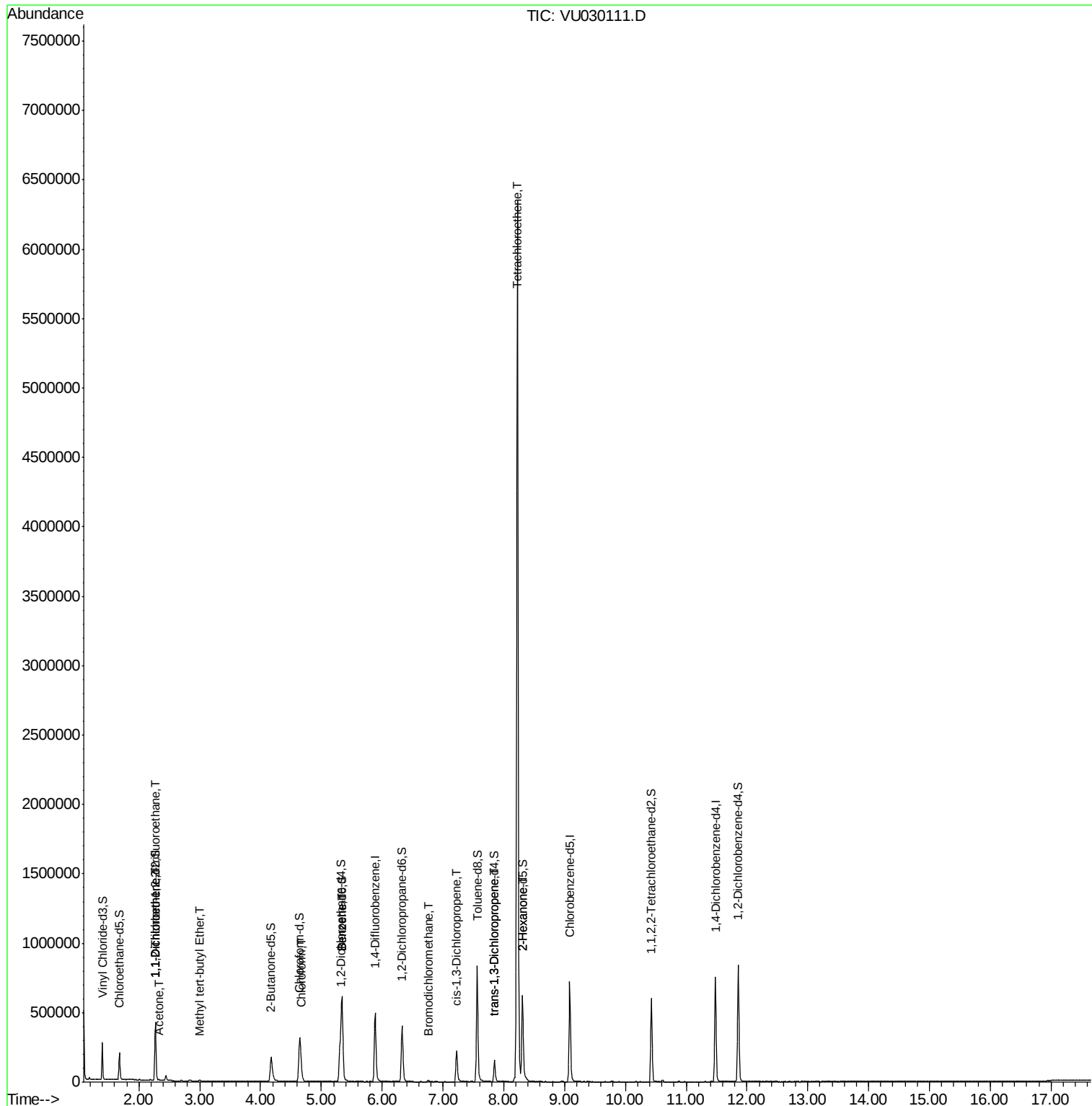
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3349	1.130	ug/L #	23
12) 1,1-Dichloroethene	2.27	96	2175	0.769	ug/L #	1
13) Acetone	2.32	43	3405	1.302	ug/L	93
18) Methyl tert-butyl Ether	3.00	73	4999	0.547	ug/L #	90
25) Chloroform	4.67	83	54984	9.908	ug/L	98
33) Benzene	5.34	78	5070	0.394	ug/L	100
38) Bromodichloromethane	6.76	83	7227	1.717	ug/L	93
39) cis-1,3-Dichloropropene	7.22	75	4758	0.903	ug/L #	44
44) trans-1,3-Dichloropropene	7.85	75	3357	0.698	ug/L	100
46) Tetrachloroethene	8.22	164	1562430	529.496	ug/L	99
48) 2-Hexanone	8.31	43	22373	5.739	ug/L #	64

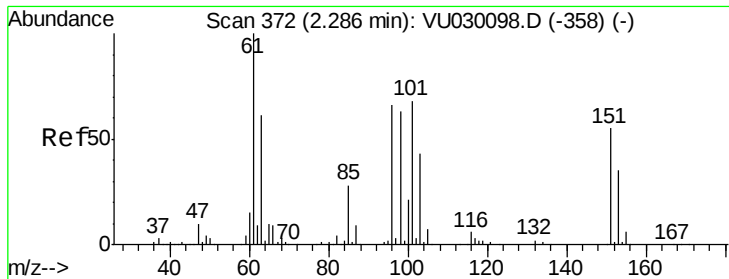
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:02:21 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.130 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030111.D

Acq: 15 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

BF1C8

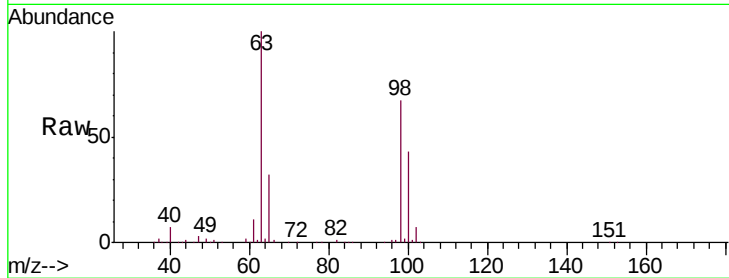
Tgt Ion: 101 Resp: 3349

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

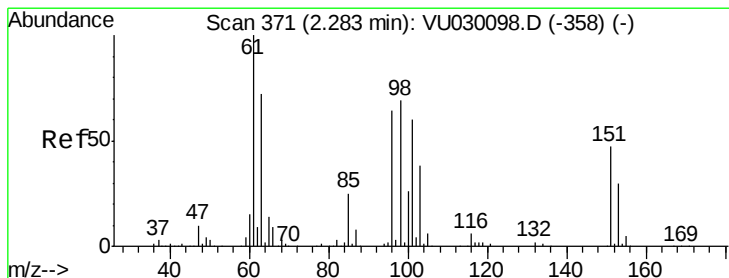
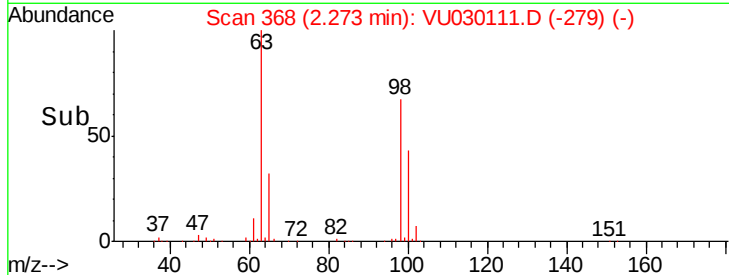
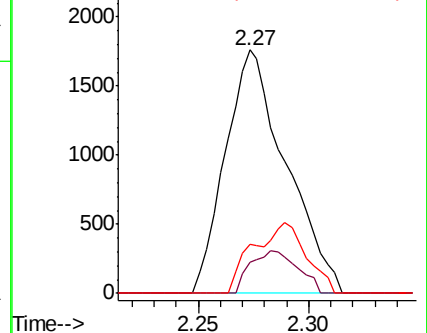
151 8.6 66.1 99.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.769 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030111.D

Acq: 15 Mar 2019 15:13

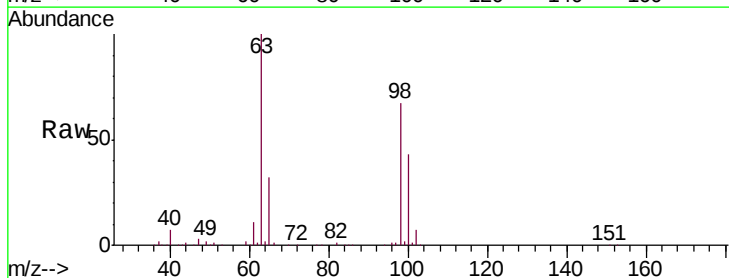
Tgt Ion: 96 Resp: 2175

Ion Ratio Lower Upper

96 100

61 1154.8 110.4 205.0#

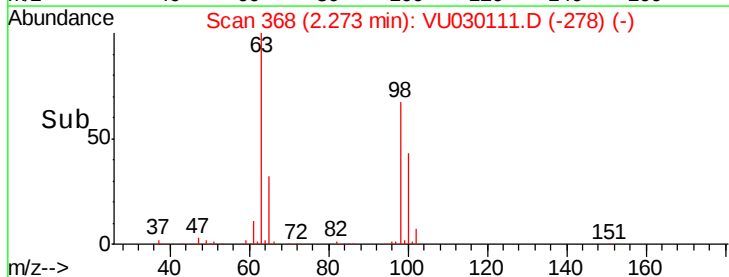
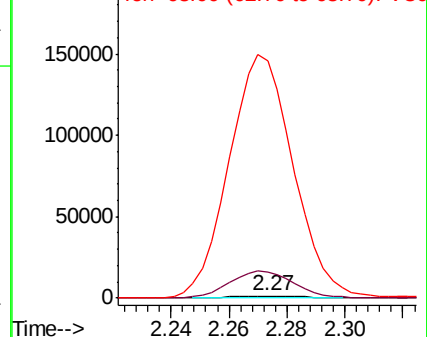
63 10365.4 86.5 160.7#

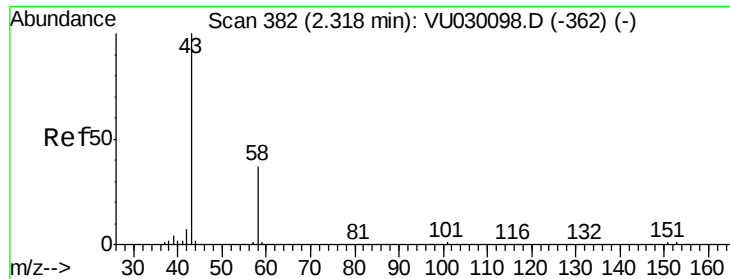


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.302 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030111.D

Acq: 15 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

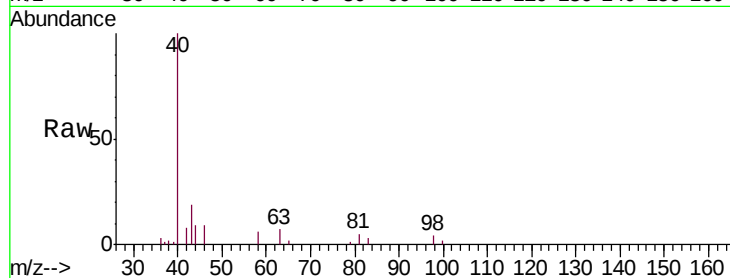
BF1C8

Tgt Ion: 43 Resp: 3405

Ion Ratio Lower Upper

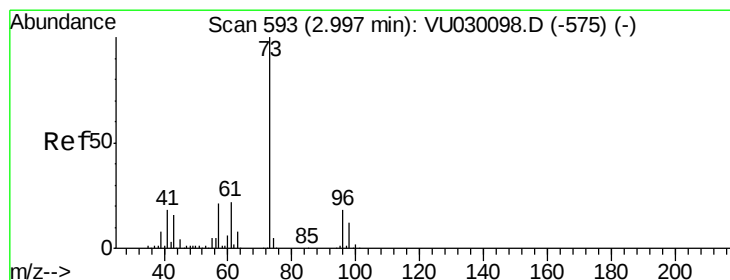
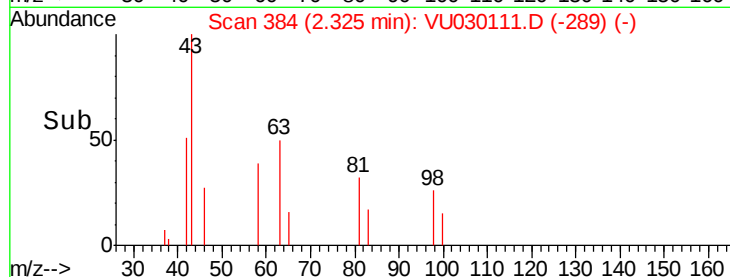
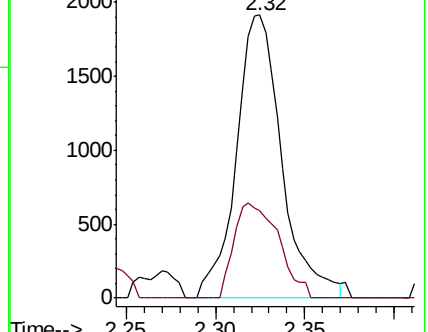
43 100

58 32.4 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU030111.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU030111.D (-289) (-)



#18

Methyl tert-butyl Ether

Concen: 0.547 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU030111.D

Acq: 15 Mar 2019 15:13

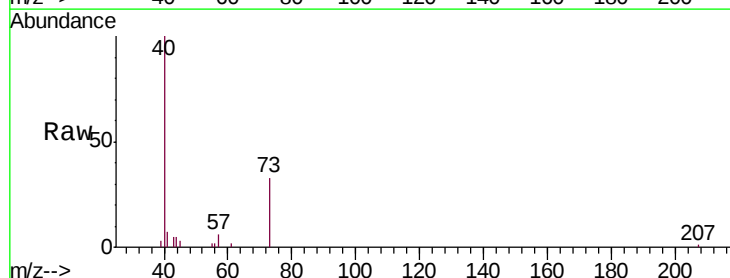
Tgt Ion: 73 Resp: 4999

Ion Ratio Lower Upper

73 100

43 8.9 13.1 19.7#

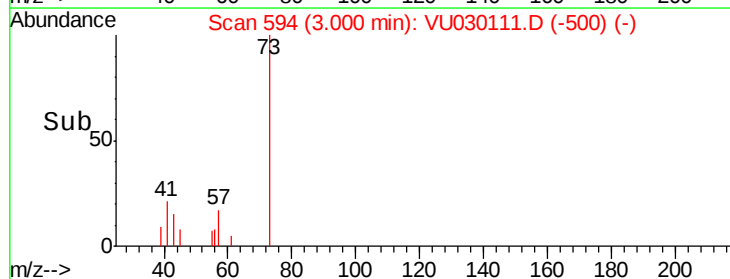
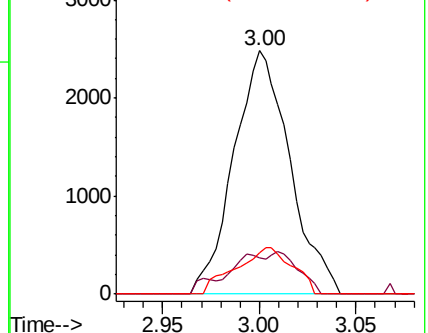
57 19.4 17.1 25.7

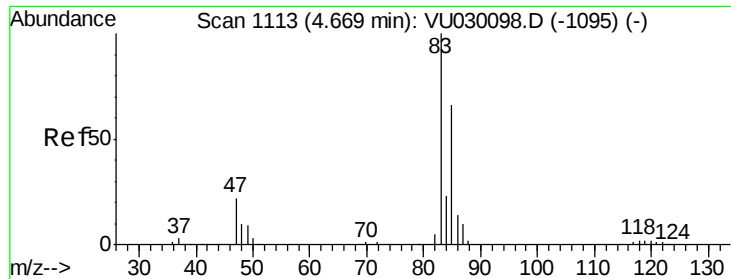


Abundance Ion 73.00 (72.70 to 73.70): VU030111.D (-500) (-)

Ion 43.00 (42.70 to 43.70): VU030111.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU030111.D (-500) (-)

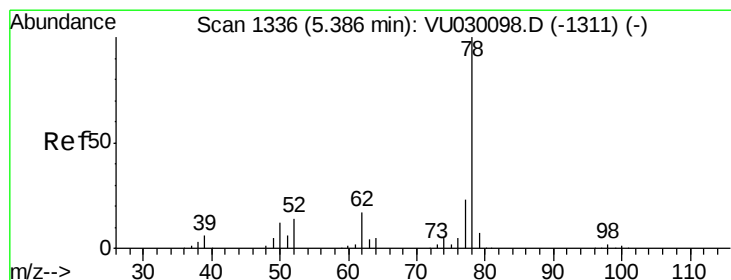
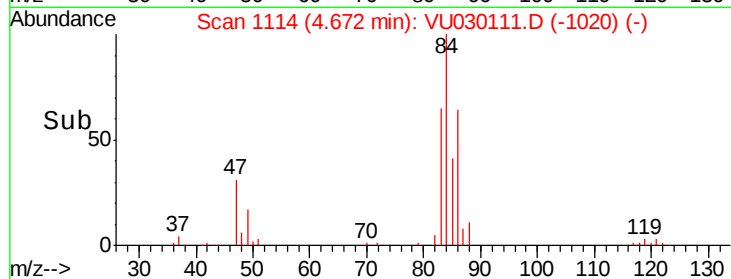
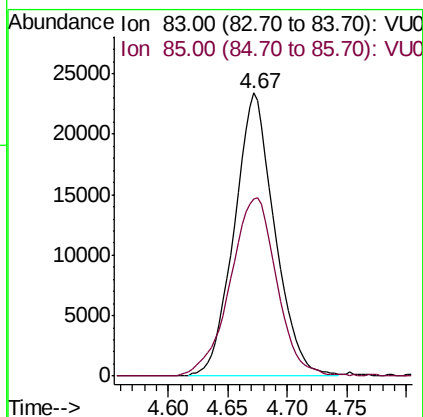
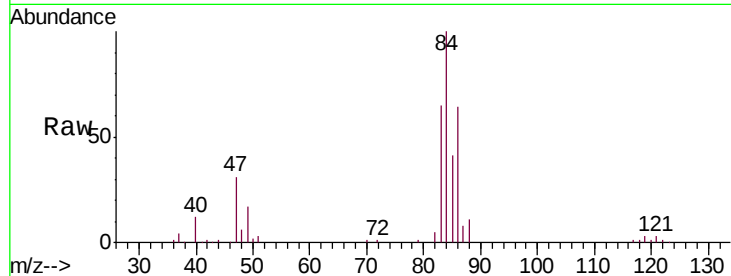




#25
Chloroform
Concen: 9.908 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030111.D
Acq: 15 Mar 2019 15:13

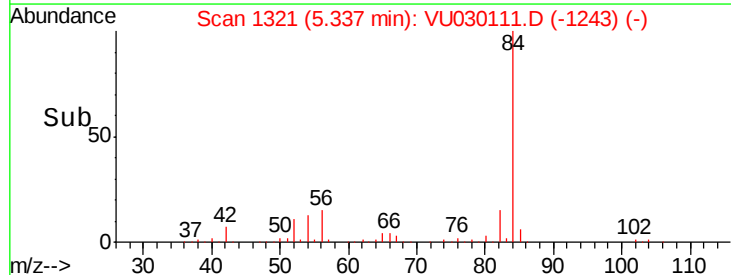
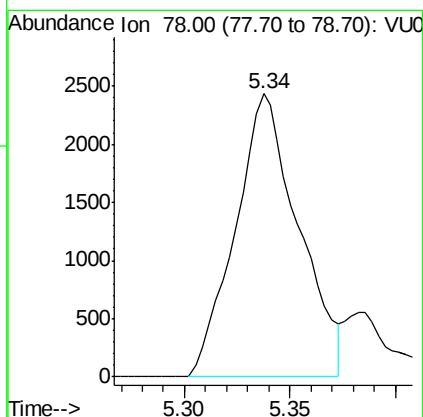
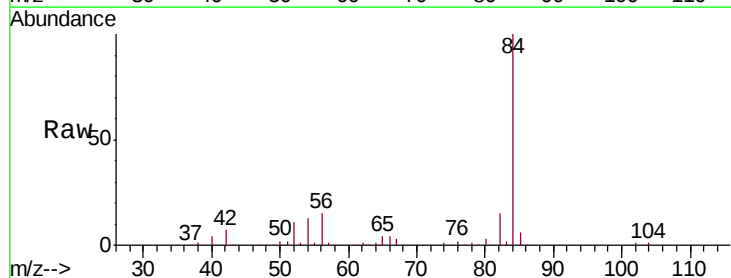
Instrument :
MSVOA_U
ClientSampleId :
BF1C8

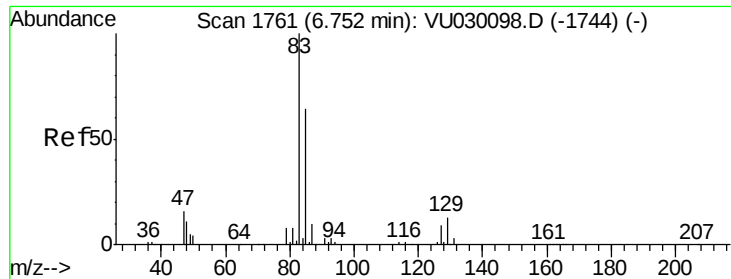
Tgt Ion: 83 Resp: 54984
Ion Ratio Lower Upper
83 100
85 62.7 44.9 83.5



#33
Benzene
Concen: 0.394 ug/L
RT: 5.34 min Scan# 1321
Delta R.T. -0.05 min
Lab File: VU030111.D
Acq: 15 Mar 2019 15:13

Tgt Ion: 78 Resp: 5070

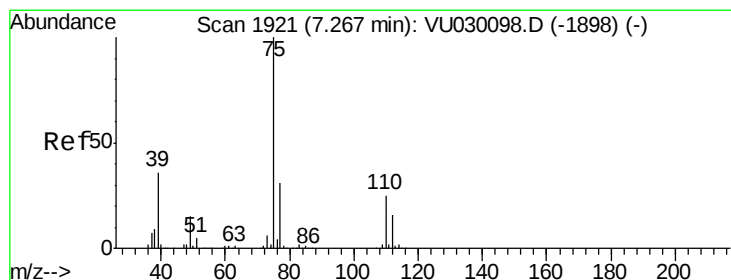
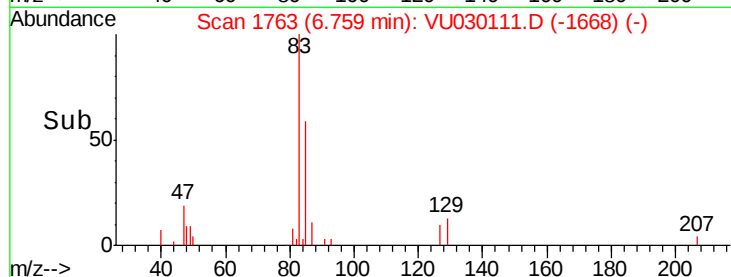
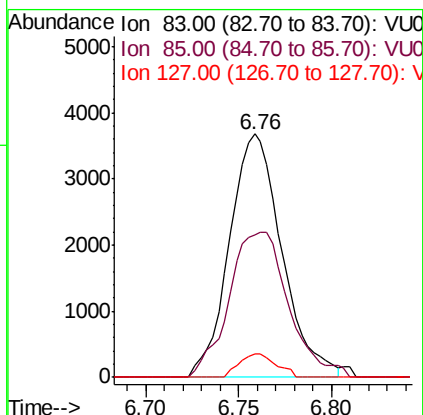
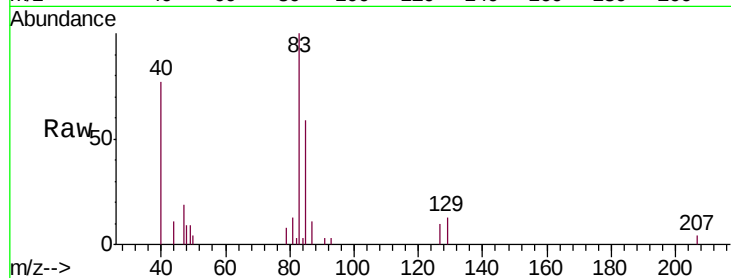




#38
 Bromodichloromethane
 Concen: 1.717 ug/L
 RT: 6.76 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: VU030111.D
 Acq: 15 Mar 2019 15:13

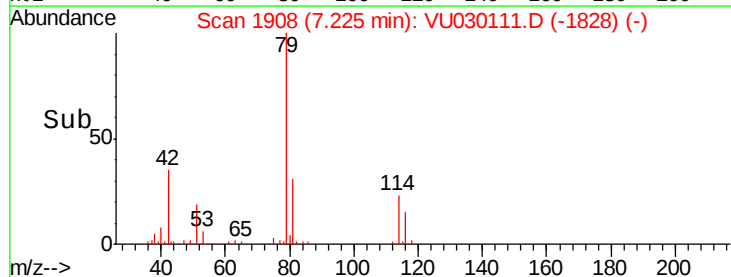
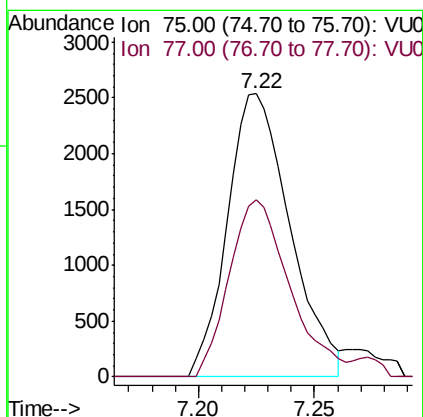
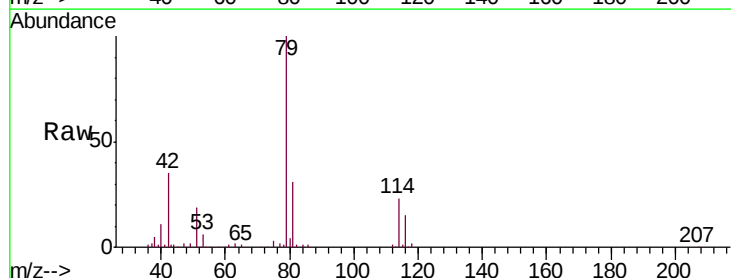
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1C8

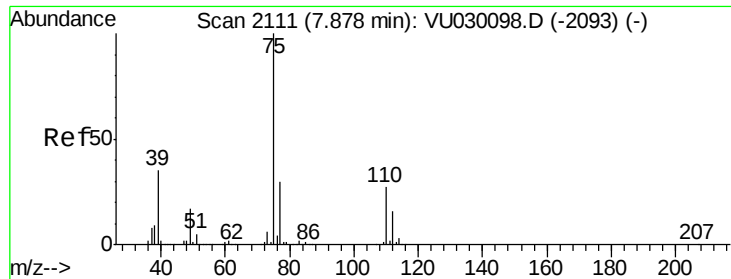
Tgt Ion: 83 Resp: 7227
 Ion Ratio Lower Upper
 83 100
 85 58.8 45.7 84.9
 127 9.8 7.7 11.5



#39
 cis-1,3-Dichloropropene
 Concen: 0.903 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030111.D
 Acq: 15 Mar 2019 15:13

Tgt Ion: 75 Resp: 4758
 Ion Ratio Lower Upper
 75 100
 77 62.5 22.2 41.2#





#44

trans-1,3-Dichloropropene

Concen: 0.698 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU030111.D

Acq: 15 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

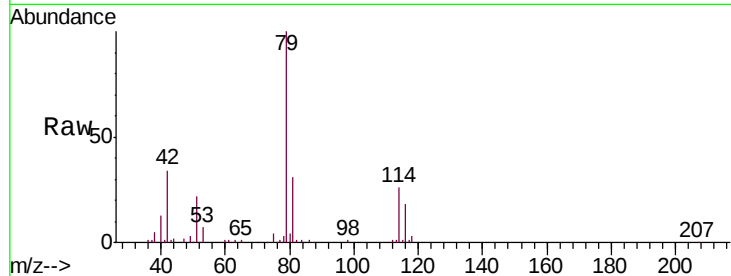
BF1C8

Tgt Ion: 75 Resp: 3357

Ion Ratio Lower Upper

75 100

77 31.2 21.9 40.7

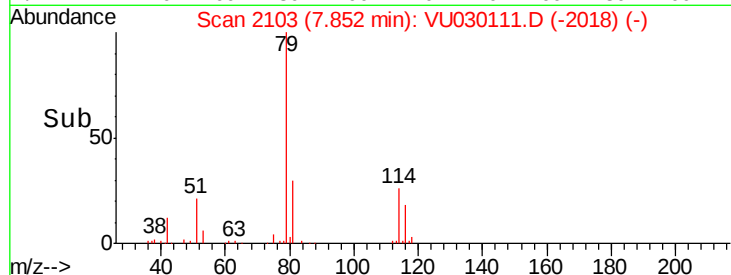


Abundance Ion 75.00 (74.70 to 75.70): VU030098.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU030098.D (-2093) (-)

7.85

Time-->

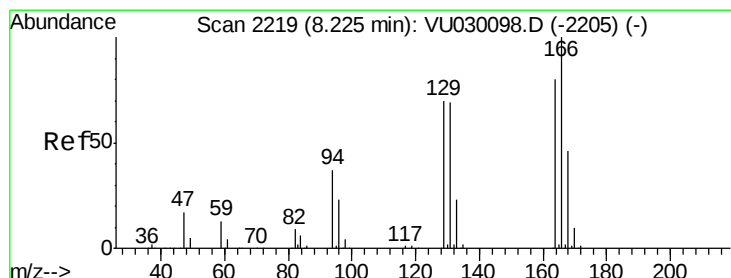


Abundance Ion 75.00 (74.70 to 75.70): VU030111.D (-2018) (-)

Ion 77.00 (76.70 to 77.70): VU030111.D (-2018) (-)

7.85

Time-->



#46

Tetrachloroethene

Concen: 529.496 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU030111.D

Acq: 15 Mar 2019 15:13

Tgt Ion: 164 Resp: 1562430

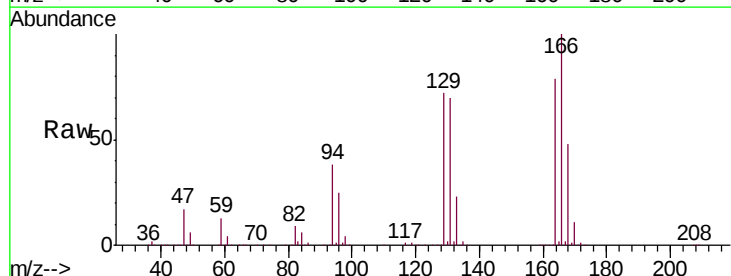
Ion Ratio Lower Upper

164 100

129 91.3 63.3 117.7

131 88.9 62.0 115.2

166 126.5 90.5 168.1



Abundance Ion 164.00 (163.70 to 164.70): VU030098.D (-2205) (-)

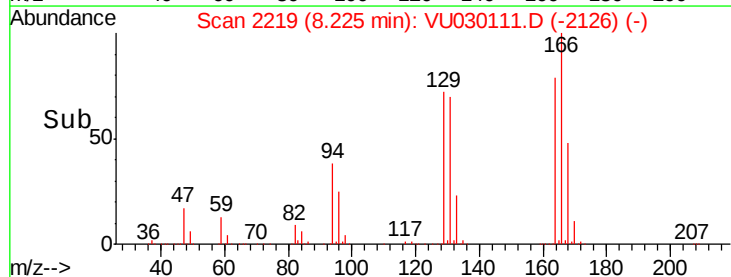
Ion 129.00 (128.70 to 129.70): VU030098.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU030098.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU030098.D (-2205) (-)

8.22

Time-->



Abundance Ion 164.00 (163.70 to 164.70): VU030111.D (-2126) (-)

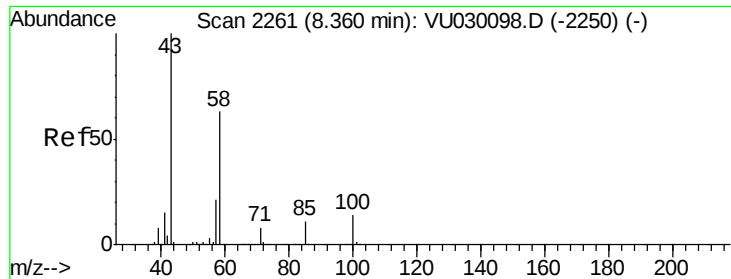
Ion 129.00 (128.70 to 129.70): VU030111.D (-2126) (-)

Ion 131.00 (130.70 to 131.70): VU030111.D (-2126) (-)

Ion 166.00 (165.70 to 166.70): VU030111.D (-2126) (-)

8.22

Time-->



#48
 2-Hexanone
 Concen: 5.739 ug/L
 RT: 8.31 min Scan# 2245
 Delta R.T. -0.05 min
 Lab File: VU030111.D
 Acq: 15 Mar 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1C8

Tgt Ion: 43 Resp: 22373
 Ion Ratio Lower Upper
 43 100
 58 26.5 48.6 72.8#
 57 23.6 16.1 24.1
 100 0.0 11.6 17.4#

